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1 [Recognising and using named entities: Text classification and named entities for new event detection](#)



Giridhar Kumaran, James Allan

 July 2004 **Proceedings of the 27th annual international ACM SIGIR conference on Research and development in information retrieval SIGIR '04**

Publisher: ACM Press

 Full text available: [pdf\(270.96 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

New Event Detection is a challenging task that still offers scope for great improvement after years of effort. In this paper we show how performance on New Event Detection (NED) can be improved by the use of text classification techniques as well as by using named entities in a new way. We explore modifications to the document representation in a vector space-based NED system. We also show that addressing named entities preferentially is useful only in certain situations. A combination of all th ...

Keywords: named entities, new event detection, text classification, topic detection and tracking

2 [Computer-aided law and advanced technologies \(CLAT\): Sequence modelling for sentence classification in a legal summarisation system](#)



Ben Hachey, Claire Grover

 March 2005 **Proceedings of the 2005 ACM symposium on Applied computing**

Publisher: ACM Press

 Full text available: [pdf\(105.27 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

We describe a set of experiments using a wide range of machine learning techniques for the task of predicting the rhetorical status of sentences. The research is part of a text summarisation project for the legal domain for which we use a new corpus of judgments of the UK House of Lords. We present experimental results for classification according to a rhetorical scheme indicating a sentence's contribution to the overall argumentative structure of the legal judgments using four learning algorithm ...

Keywords: artificial intelligence, automatic summarisation, discourse, law, natural language